Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/03/2019 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123792	-1	1.59	123898	1.55
Blue	F	SSC	125000	124995	-1	3.04	125842	3.03
Blue	E	FITC	16694	16288	-3	3.42	379	21.26
Blue	D	PE	32792	32304	-2	2.54	716	15.95
Blue	B	PerCP-Cy5-5	44451	44552	0	4.41	1219	23.15
Blue	A	PE-Cy7	33645	34534	2	6.87	629	49.06
Red	C	APC	47008	46376	-2	2.87	1793	13.34
Red	A	APC-Cy7	32298	31597	-3	2.62	788	14.02
Violet	B	V450	8961	8520	-5	4.64	470	14.90
Violet	A	V500	32726	31635	-4	4.18	763	11.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20221	4.17	607	-6	N/A	N/A	Pass
Blue	F	SSC	56569	2.44	576	8	N/A	N/A	Pass
Blue	E	FITC	63	74.13	563	0	0.0174	227	Pass
Blue	D	PE	142	56.78	567	1	0.1382	301	Pass
Blue	B	PerCP-Cy5-5	228	55.97	673	2	0.0072	51	Pass
Blue	A	PE-Cy7	123	121.14	731	5	0.0084	23	Pass
Red	C	APC	409	28.77	612	-1	0.0193	145	Pass
Red	A	APC-Cy7	196	32.23	584	-1	0.0047	1379	Pass
Violet	B	V450	70	70.48	478	-8	0.0404	2126	Pass
Violet	A	V500	108	39.43	488	-8	0.0202	1138	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.87	1.15
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.21	13.60 - 20.40	N/A	N/A	29.03	29.47	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9557

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments